



Form GSOP 1-PIN (04/98)

STATE OF CALIFORNIA
Department of General Services - Office of Procurement

PURCHASE ORDER

Page 1

Purchase Order No. Rev. Date

62311

2/23/2009

Supplier No.	Solicitation No.	Delivery Date	FOB Point	Invoice Terms
813167	57223	90 Days ARO	Destination	
S h T i o p DEPT. OF TRANSPORTATION SACRAMENTO WAREHOUSE 2001 EVERGREEN STREET SACRAMENTO, CA 95815 Attn: K. MOYNAHAN (916)324-1190		C h a r o g e DEPT. OF TRANSPORTATION ACCT PAY/WHSE ORD MS#25 P.O. BOX 168018 SACRAMENTO, CA 95816-8018		
Agency Billing	Agency Purchase Estimate	Purchase Estimate Revision		
60006	22-W1343JW.	67265 0		
Agency Contact		Phone	Date Received	
JOHN WILLIAMS		916-227-6031		

WESCO DISTRIBUTION, INC.
1045 NATIONAL DRIVE
SACRAMENTO, CA 95834
Attn: SHARON DEYOUNG

Phone: 916-928-1001

Item No.	Quantity	Unit	Commodity Code	Description	Unit Price	Extension
----------	----------	------	----------------	-------------	------------	-----------

THE GENERAL PROVISIONS FOR NON-IT COMMODITIES ARE HEREBY INCORPORATED BY REFERENCE. THESE GENERAL PROVISIONS CAN BE OBTAINED BY PHONING (916) 375-4400 OR BY ACCESSING OUR WEBSITE AT:

www.documents.dgs.ca.gov/pd/modellang/GPnonIT0407.pdf

THE FOLLOWING INFORMATION IS PROVIDED FOR AGENCY USE ONLY:

PRIME CONTRACTOR: NS

1	468	EA	6210-600-4621-4	LUMINAIRE HIGH PRESSURE SODIUM	157.7000	73,803.60
---	-----	----	-----------------	--------------------------------	----------	-----------

Luminaire, High Pressure Sodium, 200 Watt, Multi-tap, as described - meeting the requirements of attached specification 6240-0499bs of three (3) pages. (CT# 6210-0115-5)

Brand: AMERICAN ELECTRICModel: 32520SMRMT2R3FGBF

2	263	EA	6210-600-4621-4	LUMINAIRE HIGH PRESSURE SODIUM	157.7000	41,475.10
---	-----	----	-----------------	--------------------------------	----------	-----------

Luminaire, High Pressure Sodium, 200 Watt, 480 Volt, as described - meeting the requirements of attached specification 6240-0499bs of three (3) pages. (CT# 6210-0116-7)

Brand: AMERICAN ELECTRICModel: 32520SMR480R3FGBF

3	463	EA	6210-600-4621-4	LUMINAIRE HIGH PRESSURE SODIUM	178.9000	82,830.70
---	-----	----	-----------------	--------------------------------	----------	-----------

Luminaire, High Pressure Sodium, 310 Watt, Multi-tap, as described - meeting the requirements of attached specification 6240-0499bs of three (3) pages. (CT# 6210-0121-7)

Sales and/or use tax to be extra unless noted above

Buyer	Phone	BOC Number
KATHLEEN SANBORN	916-375-4403	

Department of General Services - Office of Procurement

Form GSOP 2-PIN (04/98)

Page 2

Item No.	Quantity	Unit	Commodity Code	Description	Unit Price	Extension
				Brand: <u>AMERICAN ELECTRIC</u> Model: <u>32531SMRMT2R3FCBF</u>		
4	118	EA	6210-600-4621-4	LUMINAIRE HIGH PRESSURE SODIUM	178.9000	21,110.20
				Luminaire, High Pressure Sodium, 310 Watt, 480 Volt, as described - meeting the requirements of attached specification 6240-0499bs of three (3) pages. (CT# 6210-0122-9)		
				Brand: <u>AMERICAN ELECTRIC</u> Model: <u>32531SMR480R3FCBF</u>		
Total Value:						219,219.60
<u>ATTACHMENTS:</u> THE FOLLOWING ATTACHED DOCUMENTS ARE PART OF THIS PURCHASE ORDER: 1. SPECIFICATION #6240-0499BS OF 3 PAGES DATED DECEMBER 18, 2008 2. PALLET SPECIFICATIONS 3. CALTRANS DELIVERY FORM 4. SAMPLE DECAL <u>DELIVERY:</u> For the purpose of this purchase order, only F.O.B. Destination will be accepted. The entire delivery is to be completed within 90 days after receipt of order (ARO). The supplier is to provide notice to the delivery point via fax, 48 hours in advance of delivery of the luminaires. The fax number is (916) 263-0871. Up to two partial deliveries will be allowed per line item as long as the quantity of any partial shipment is not less than thirty (30) percent of the line item quantity. Delivery will not be considered complete (for purposes of the time allowed for testing) until the entire lot quantity or the entire line item quantity is received. The supplier is responsible for notifying the CalTrans Representative as to whether partial deliveries will be made and in what quantities. Both the supplier and CalTrans Representative must agree on partial deliveries and any deviations from the above delivery requirements in writing in advance. Luminaires are to be delivered to the following address: Department of Transportation DPAC Warehouse, M-17 2001 Evergreen Street Sacramento, CA 95815 Delivery hours are Monday through Friday, 7 AM to 12 Noon and 12:30 PM to 3 PM, excluding State holidays. If using carriers other than UPS, contact the warehouse receiving 48 hours in advance at (916) 263-0463 to schedule a delivery time. <u>PRODUCT MARKING/LABELING/CERTIFICATE OF COMPLIANCE:</u> The supplier shall clearly and correctly mark all cartons to identify the						

Department of General Services - Office of Procurement

Page 3

Form GSOP 2-PIN (04/98)

Item No.	Quantity	Unit	Commodity Code	Description	Unit Price	Extension
				<p>contents of the carton. Additionally, the supplier shall mark each carton with the Caltran's stock number (CT#) on the carton, along with the supplier name and the purchase order number.</p> <p>The supplier shall furnish a certificate of compliance with each shipment in accordance with Section 6-1.07 of the Department's Standard Specifications dated July 1999 (call 916-263-0865 if you would like to purchase a copy of the Standard Specifications), certifying that the luminaires are in compliance to the applicable portion of Section 86-6; and the requirements set forth herein. The supplier shall further certify that the pallets on which the luminaires are shipped, comply in all respects with the specifications herein.</p> <p><u>DECAL REQUIREMENT:</u></p> <p>The supplier shall provide decals as shown in the attached sample decal. Decals shall be placed on the underside of the luminaire to minimize fading due to exposure to the sun. The supplier is required to supply the Caltrans Representative with a sample decal for approval before production of the decals and delivery of the luminaires.</p> <p><u>WARRANTY:</u></p> <p>Luminaires are to be warrantied by the supplier that the item(s) are of merchantable quality and are fit for use in automobile traffic lighting. The supplier agrees to identify and hold the State harmless from all claims, liability, loss, damage and expense incurred or sustained by the State by reason of any breach of such warranty.</p> <p>The supplier shall provide a phone and fax number that is designated for receiving requests for warranty repair/replacements. The supplier shall provide warranty service between the hours of Monday through Friday, from 8 AM to 5 PM, with the exception of holidays observed by the State.</p> <p>The supplier shall provide a five (5) year replacement warranty coverage for all luminaire components. Coverage shall begin upon acceptance of the item(s) by the State. The warranty shall be extended on defective or malfunctioning item(s) by the amount of elapsed time between the State's notice to the supplier of the defective/malfunction and the supplier's replacement or repair of the item(s).</p> <p>Should any of the item(s) prove defective due to failure to conform to the specifications or due to otherwise defective workmanship or materials, within the specified warranty period, the supplier shall agree, upon demand by the State, to replace or repair said defective item(s) within 30 days of such notice. The supplier shall bear any costs for material, and transportation for claims made during the warranty period.</p> <p><u>REJECTION AND ACCEPTANCE:</u></p> <p>Items delivered shall be inspected by the Caltrans Material Engineering and Testing Services.</p> <p>Items that do not meet specifications will be rejected. The State may reject any item or an entire shipment which is not in compliance with these specifications, or which is in breach of warranty, express or implied, or which is otherwise defective. The time required for testing shall not exceed thirty (30) calendar days. The dollar value of the units rejected will be deducted from the supplier's invoice. Testing will be conducted in accordance with random sampling from each delivery lot. For the purpose of retesting any rejected item(s), another full thirty (30) calendar days will be allowed.</p>		

Department of General Services - Office of Procurement

Form GSOP 2-PIN (04/98)

Page 4 (Last)

<i>Purchase Order No.</i>	<i>Revision</i>	<i>Date</i>	<i>Supplier No.</i>	<i>Supplier Name</i>
62311		2/23/2009	813167	WESCO DISTRIBUTION, INC.

Item No.	Quantity	Unit	Commodity Code	Description	Unit Price	Extension
<p><u>Testing/Acceptance of Resubmitted Units:</u></p> <p>All initial tests will be at the expense of the supplier.</p> <p>All testing is subsequent to rejection of the item(s) for failure to comply with specification requirements will be at the expense of the supplier. Deductions to cover the cost of such testing will be made from any monies due, or which may become due to the supplier under this purchase order.</p> <p><u>Disposition of Rejected Items:</u></p> <p>Rejected items or shipment(s) will be returned to the supplier by common carrier at the supplier's expense and risk, unless the supplier notifies the Department of Transportation laboratory that the supplier will pick up the rejected items within seven (7) days of notification of rejection.</p> <p>CHANGE ORDERS: This Purchase Order may be amended, modified, or terminated at any time by mutual agreement of the parties, in writing. Change orders amending, modifying or terminating the Purchase Order, including any modifications of the compensation payable, may be issued only by the State Procurement Officer. All such change orders shall be in writing and issued only upon written concurrence of the supplier. Termination, as that term is used in this section, does not include termination for default of the supplier</p> <p>This Purchase order has been registered into the state contract and procurement registration system (https://www.scprs.dgs.ca.gov/). The registration number is 26600209359205.</p>						



STATE OF CALIFORNIA
BID SPECIFICATION
LUMINAIRE, HIGH PRESSURE SODIUM

6240-0499

1 SCOPE

This document establishes the requirements for luminaires to be furnished to the California Department of Transportation.

2 APPLICABLE SPECIFICATIONS / STANDARDS / CODES

Specifications, standards and codes referenced in this document in effect on the opening of the 'Invitation For Bid', form a part of this specification. The luminaires furnished under these specifications shall conform to all of the requirements of the specific sections and drawings of the following publications attached in references:

- 2.1 California Department of Transportation Standard Specifications and Plans dated May 2006
- 2.2 California Department of Transportation California Test 611 dated Nov 1998: Method of Test for Testing Durability of Mast Arm-mounted Luminaires
- 2.3 American National Standard for Roadway Lighting Equipment: ANSI C136.2, C136.10, C136.14, C136.15, C136.31
- 2.4 ANSI/ASQ Z1.4: Sampling Procedures and Tables for Inspections by Attributes

3 REQUIREMENTS

3.1 Mechanical and optical requirements:

- 3.1.1 Luminaires shall be of high pressure sodium, cut-off, enclosed type for horizontal mounting to the mast arms on roadways.
- 3.1.2 Each luminaire shall consist of the followings at a minimum:
 - 3.1.2.1 Housing made of corrosion-resistant rugged die-cast high-quality aluminum with a uniform surface finish, with no blemishes. Color shall be aluminum gray.
 - 3.1.2.2 Electrical assembly in the housing compartment accessed easily through a hinged down-opening double door.
 - 3.1.2.3 Reflector made of formed anodized polished aluminum or standardized aluminum with chemically-bonded lightweight non-breakable silicate glass.
 - 3.1.2.4 Flat clear tempered glass lens.
 - 3.1.2.5 Terminal block/board assembly for connecting supply wires.
 - 3.1.2.6 An integral magnetic regulator type ballast, pre-wired from terminal block to the lamp socket.
 - 3.1.2.7 Adjustable mogul based lamp socket mounted inside housing.
 - 3.1.2.8 Adjustable (without special tool) photoelectric control receptacle and rainproof shorting cap installed.
 - 3.1.2.9 Felt or polyester fiber gasket between reflector and flat glass lens.
 - 3.1.2.10 Metallic bird guard or insect/pest shield cast into the housing.
- 3.1.3 Housing shall be 31.5" (+/- 1") long and 15" (+/- 1") wide.

- 3.1.4 The net weight of housing shall be more than 32 pounds and less than 40 pounds.
- 3.1.5 Luminaire shall be secured with two (2) or four (4) bolts and slip-fitted mounting bracket allowing minimum +/- 4° horizontal adjustment of the fixture on the mast arm with diameter from 1.25" to 2".
- 3.1.6 Luminaire and ballast shall be operable at the ambient temperature of -40°F minimum.
- 3.1.7 Ignitor shall be fixed or a plug-in base type
- 3.1.8 Luminaire shall have bridge fitter if applicable.
- 3.1.9 Light distribution shall be IES type III medium cutoff.
- 3.1.10 Effective Projected Area (EPA) shall be within the range of 1.1 to 1.2 square feet.
- 3.2 Electrical configuration:
 - 3.2.1 310 watt, multi-tap (120/208/240/277 volts)
 - 3.2.2 200 watt, multi-tap (120/208/240/277 volts)
 - 3.2.3 200 watt 480 volts
 - 3.2.4 310 watt 480 volts

4 TESTS AND COMPLIANCE

- 4.1 Luminaire shall comply with Section 86-6.01 of the CA Department of Transportation Standard Specifications and Plans dated May 2006 that shall include:
 - § 86-6.01 High Pressure Sodium Luminaires
 - § 86-6.01A High Pressure Sodium Lamp Ballasts
 - § 86-6.01A(1) Regulator Type Ballasts.
- 4.2 Delivered luminaires shall be sample tested as per normal sampling plan ANSI/ASQC Z1.4.
- 4.3 Luminaire shall meet or exceed ANSI Standards: C136.2, C136.10, C136.14, C136.15 and C136.31 requirements for bridge and underpass vibration.
- 4.4 Luminaire shall meet or exceed all the durability requirements of CA Test 611 Part I and Part II.
- 4.5 Each ballast shall comply with the followings:
 - 4.5.1 useful life span not less than 60,000 hours
 - 4.5.2 capable of operating at least 180 cycles of 12 hours on and 12 hours off, with the lamp circuit in an open or short-circuited condition.
- 4.6 Luminaires shall be delivered in accordance with all the terms in Administrative Requirements.
- 4.7 Models that have not been qualified by CA Department of Transportation shall be subject to be qualified to meet Isofootcandle requirements as specified in the Caltrans Standard Plans 2006 sheet ES-10.

5 PRE-QUALIFICATION TEST PROCEDURE

New products may be added for future solicitations to the Acceptable Brand List. If interested, please have your manufacturer fill out New Product Submittal Form for each model that you plan on bidding for the State contracts. The blank form is available at the following web link:

<http://www.dot.ca.gov/hq/esc/Translab/NewProducts/standard.htm>

For questions regarding this procedure contact: K. C. Sharma, Professional Engineer, Electrical, (916) 227-7029. Luminaires shall be tested and approved separately by the CA Department of Transportation. A list of approved luminaires can be obtained from the Translab, 5900 Folsom Boulevard, Sacramento CA, 95819.

sawed) with no edge knots. Sawed side is to be assembled to the inside of the pallets. Fastening shall be accomplished with 2¼ inch (+1/16 inch) 7 penny flat head drive screws (helical threaded nail) or 2¼ (+1/16 inch) #10 wire gauge annular ring nails as recommended in Specifications and Grades for Warehouse. Permanent or Returnable Pallets of West Coast Woods as published by the National Wooden Pallet and Container Association (Specifications and Grades, NWPCA).

3.2 Non-Standard Duty-Cycle Pallets

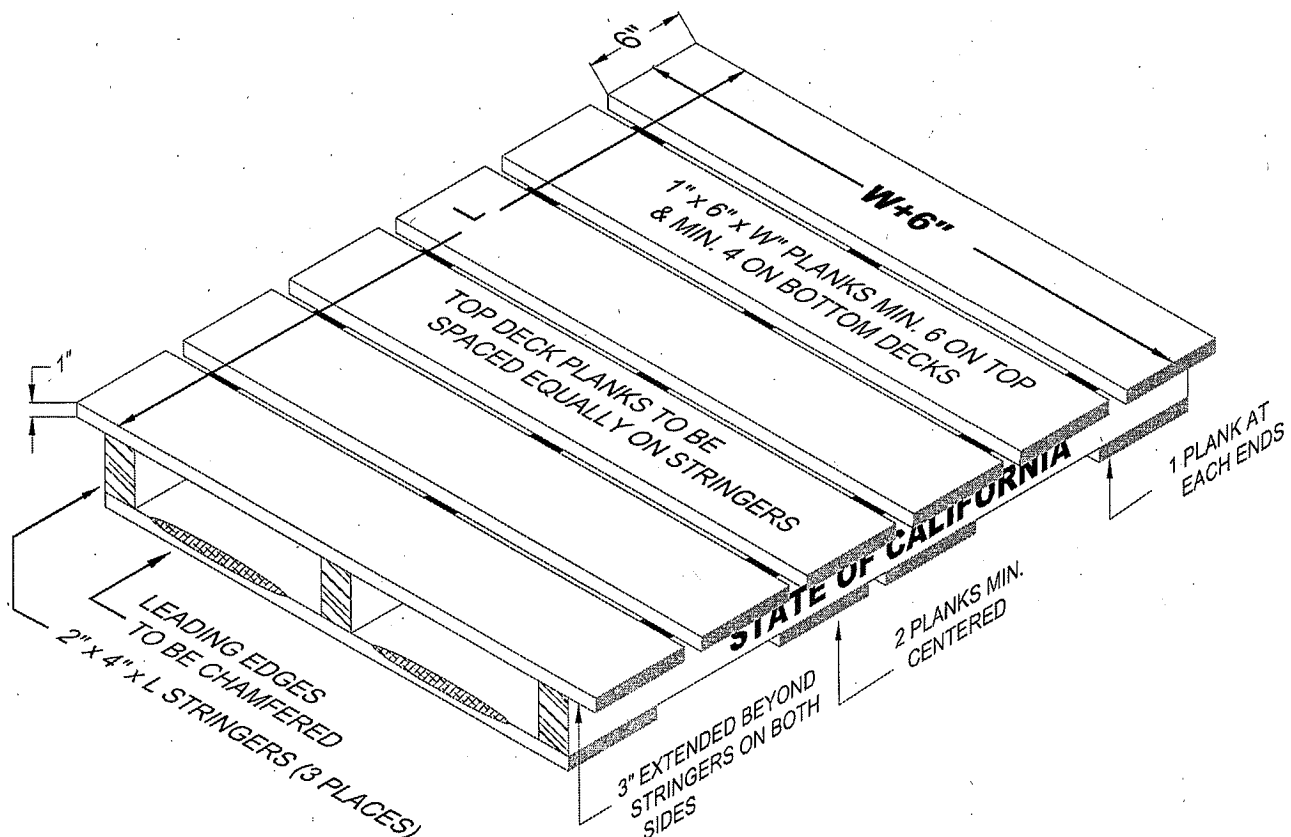
When specifically requested by the user, pallets may be manufactured using pine, oak or ash woods.

3.3 Construction

Pallet type and construction shall comply with Specifications and Grades, NWPCA. The pallets shall be Grade "Quality" (QAL).

The decking shall be secured with 3 nails or screws at each surface of contact with the stringer. Nails shall not be within ½ inch of deck-board edges or another nails.

All leading and outside edges of the bottom deck shall be chamfered. The chamfers shall be at least 12 inches long and shall be cut on an approximate 35 degree angle to the face so as to leave an edge adjacent to the chamfer not less than ¼ inch nor more than ½ inch from the outer



**FIG. 2 - TYPE 4
SINGLE WING WOODEN PALLET**

edge of the deck-board. The chamfer shall extend to within 3 inches of the stringers. Pallet configuration shall comply with illustration A.

COMMONLY USED PALLET TYPES & SIZE			
SIZE	TYPE	TOP DECK	BOTTOM DECK
1	2 (Fig. 1)	42"L x 36"W Six 1" x 6" x 36" deck-boards, spaced evenly along the pallet width	42"L x 36"W Min. Four 1" x 6" x 36" boards. One placed each end of the stringers Two at center of the stringers
2	2 (Fig. 1)	42"L x 42"W Six 1" x 6" x 42" deck-boards, spaced evenly along the pallet width	42"L x 42"W Min. Four 1" x 6" x 42" boards. One placed each end of the stringers Two at center of the stringers
3	2 (Fig. 1)	44"L x 44"W Six 1" x 6" x 44" deck-boards, spaced evenly along the pallet width	44"L x 44"W Min. Four 1" x 6" x 44" boards. One placed each end of the stringers Two at center of the stringers(Fig. 1)
4	2 (Fig. 1)	45"L x 36"W Six 1" x 6" x 36" deck-boards, spaced evenly along the pallet width	45"L x 36"W Min. Four 1" x 6" x 36" boards. One placed each end of the stringers Two at center of the stringers
5	2 (Fig. 1)	46"L x 44"W Six 1" x 6" x 44" deck-boards, spaced evenly along the pallet width	46"L x 44"W Min. Four 1" x 6" x 44" boards. One placed each end of the stringers Two at center of the stringers
6	2 (Fig. 1)	48"L x 48"W Six 1" x 6" x 48" deck-boards, spaced evenly along the pallet width	48"L x 48"W Min. Four 1" x 6" x 48" boards. One placed each end of the stringers Two at center of the stringers
Note: SIZE 1, TYPE 4 - has a single wing applied to top deck.			
1	4 (Fig. 2)	42"L x 36"W Six 1" x 6" x 36" deck-boards, spaced evenly along the pallet width with 3" wings extending beyond the stringers outboard faces	42"L x 30"W Min. Four 1" x 6" x 36" boards. One placed each end of the stringers, Two at center of the stringers

4 SAMPLING AND INSPECTION

This commodity will be sampled and inspected for compliance to this specification as deemed necessary. Sampling and inspection by attributes will be in accordance with ANSI/ASQ Z1.4 1993, Sampling Procedures and Tables for Inspection by Attributes. An inspection lot is defined as one delivery to one agency at one time.

4.1 Workmanship

The pallets shall be free from defects as outlined under Grade "Quality" (QAL) in the "Specifications and Grades", NWPCA.

5 MARKING

Each pallet shall be marked (two places), "STATE OF CALIFORNIA". Marking shall be easily readable, in black letters and on outboard faces of stringers.

EXAMPLE OF DECAL FOR LUMINAIRES

CALTRANS LUMINAIRE AND LAMP INFORMATION	
IF LUMINAIRE FAILS, SAVE UNIT & FAX INFO BELOW TO 916-324-5997	
DISTRICT / POLE NUMBER / LOCATION:	
LUMINAIRE SQUARE / WARRANTY:	GT WAREHOUSE / 5 YEARS
CONTRACT / PO NUMBER / DATE:	PO XXXXX / 01/XX/08
LUMINAIRE MANUFACTURER / VENDOR:	XX / XXXXXXXXXXXXXXXXX
INSTALL DATE / FAILURE DATE:	/
FAILURE REASON / LABOR IMPACT:	/
LAMP 1 MANUFACTURER / VENDOR:	/
CONTRACT / PO NUMBER / DATE:	/
LAMP INSTALL DATE / FAILURE DATE:	/
FAILURE REASON / LABOR IMPACT:	/
LAMP 2 MANUFACTURER / VENDOR:	/
CONTRACT / PO NUMBER / DATE:	/
LAMP INSTALL DATE / FAILURE DATE:	/
FAILURE REASON / LABOR IMPACT:	/